



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data

DO

Location/STORET Station Name: Lower Dianne Lake Middle

Date: 11/29/2017

STORET # G1WA0040

WBID: 546A

Latitude: 30.59355

(mm/dd/yyyy)

County: Leon

RQ - 2017-11-27-26

ORG ID: 21FLWQA

Longitude: -84.23534

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

Field ID: G1WA0040 11292017

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys				X	X	X	X	X
Kyle Klug								

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	

Equipment ID

Collection Method		
☐ Wading	☒ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry / Low / Normal / Above Normal / Flooded

Meter ID# Biology #2

Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising / Falling / Slack / NA Tide Times: High NA Low NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	10:45	0.3	3.2	8.35	87.8	8.36	0.04	1.2	82	17.78
CEN	10:50	2.7		8.11	84	8.29	0.04		82	17.05

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 1949355

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	SA7275010	10/2/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains: 1. Sulfuric Acid
Lot No. SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Place Preservation
(If A)

Notes:

Kit-A
Bacteria

Lower Dianne
Lake Middle

STORET ↓



G1WA0040

Field ID →

Lower Dianne
Lake Middle

Nov 29, 2017



G1WA0040

Signature:

Ben R

Date:

11/29/2017

Field Parameters Entered into LIMS: 11/3/18

(Initials/Date)

Field Parameters QC in LIMS: CH 4.11.18

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: CN 11/18/13

(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter ID: Biology #2

RQ: 2017-11-27-26

Project: SMP

17.0

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	11/29/17	7:09	20.87	8.95	8.95	100.1	25.7		P/F	L/F
ICV	Ben Ralys	11/29/17	7:10	20.88	8.95	8.96	100.2	25.7		P/F	L/F
CCV	Ben Ralys	11/29/17	3:32	21.05	8.91	1.74	19.5	8.4		P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	11/29/17	7:12	171005D	10/2018	1,000	1,000	P/F	L/F
ICV	Ben Ralys	11/29/17	7:13	171005D	10/2018	1,000	1,000	P/F	L/F
CCV	Ben Ralys	11/29/17	5:34	171005E	10/2018	100	100	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	11/29/17	7:15	170614B	12/2018	7.0	7.00	10.9	P/F	L/F
Calibr.	Ben Ralys	11/29/17	7:18	171005A	10/2018	4.0	4.00	186.6	P/F	L/F
Calibr.	Ben Ralys	11/29/17	7:20	170310C	9/2018	10.0	9.94	-149.5	P/F	L/F
ICV	Ben Ralys	11/29/17	7:21	170310C	9/2018	10.0	9.94	-149.2	P/F	L/F
CCV	Ben Ralys	11/29/17	5:36	171005A	10/2018	4.0	4.0	184.5	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Request Number: 2017-11-27-26		Requester: Curtis Musson		Field Report Prepared By: Ben Ralys		Page 1 of 2	
NE Tallahassee Lakes		Customer: WAS-SECT		Central Lab Sample Submittal Form		Sampling Agency: FDEP	
Project ID: SMP		Collected By: Ben Ralys		Collection (comp begin or grab)		Bottle Group(s)	
Loc#		Matrix (Salt, Fresh)		Date 11/29/17 Time 8:42 am		Date	
Lake Monkey Business Middle		Diss. Oxygen (mg/L)		11.46		Time	
Field ID →		pH		8.14		Sample Depts (m)	
Lake Monkey Business Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.03		72	
Nov 29, 2017		Latitude (Decimal Degrees)		30.60779		Longitude (Decimal Degrees)	
30.60779		Collection (comp begin or grab)		Date 11/29/17 Time 9:45 am		Date	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		9.94		Time	
Field ID →		pH		8.21		Sample Depts (m)	
Upper Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.05		97	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59986		Longitude (Decimal Degrees)	
30.59986		Collection (comp begin or grab)		Date 11/29/17 Time 10:45 am		Date	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.3		Sp. Conductance (umho/cm)	
STO		Salinity (ppt)		0.04		82	
Nov 29, 2017		Latitude (Decimal Degrees)		30.59355		Longitude (Decimal Degrees)	
30.59355		Collection (comp begin or grab)		Date 11/29/17 Time 2:35		Date/Time	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		8.35		Time	
Field ID →		pH		8.36		Sample Depts (m)	
Lower Dianne Lake Middle		Comments		0.			

Cooler Packing Worksheet for Request: RQ-2017-11-27-26

NE Tallahassee Lakes

Ship Cooler On: 11/21/2017

Customer/Project: WAS-SECT/SMP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit

Group B: ECOLI

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 50069122

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 6 Preservation: ICE

Lot # 1208913

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 00068243

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Description

Ammonia in aqueous matrices as mg N/L
Nitrite/Nitrate in aqueous matrices as mg N/L
Total Phosphorus in aqueous matrices as mg P/L
Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 6 Preservation: FILTER-ICE

Lot # 00068595

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 6

Container ID: P-250ML-WO-THI

Qty: 6 Preservation: ICE

Lot # L17048

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Cooler Packed By: ABJ

Number of Coolers: 2

Date: 11-21-17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-11-27-26